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WHAT IS CLAIMED IS:

1. A method for drying washed objects for performing drying by the use of a drying apparatus including a drying tank having an opening on top thereof so that washed objects can be placed or taken out from above, a rinsing tank formed integrally with the drying tank, and an openable and closable lid being capable of sealing hermetically by being closed, comprising the steps of:

moving a cradle for placing and holding washed objects upward and downward by a hoisting mechanism after the washed object is subjected to the rinsing process in the rinsing tank and stopping the same in a state in which a part of the washed object is in contact with the fluid surface directly or indirectly,

performing drying process by emitting organic solvent mist to the washed object from a fluid spray nozzle provided on a mist-straightening vane and emitting the same in turn from the mist-straightening vane indirectly, discharging deionized water after the drying step; and

performing quick drying process by supplying inert gas at a high temperature into the drying tank after the draining step.

2. A method for drying washed objects according to Claim 1, wherein said washed object is wet when the washed object is drawn up from the rinsing tank by the hoisting mechanism.

3. A method for drying washed objects according to Claim 1, wherein said inert gas is nitrogen gas (N₂) at ordinary temperatures or heated nitrogen gas (N₂).

4. A method for drying washed objects according to Claim 1, wherein an organic solvent for generating organic solvent mist is selected from alcohols, ketones, or ethers having water solubility and capability of lowering surface tension of deionized water with respect to the substrate.

5. A method for drying washed objects according to Claim 1, wherein the diameter of organic solvent mist emitted indirectly from the mist-straightening vane is not more than 20 μm .

6. A method for drying washed objects according to Claim 4, wherein the organic solvent can be heated to temperatures within the range of 5°C to 80°C when it is IPA.

7. A method for drying washed objects according to Claim 1, wherein rinsing water for performing rinsing operation in the rinsing tank is hydrogenated water.